

OMB No. 0651-0011  
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<b>INFORMATION DISCLOSURE STATEMENT</b>	Atty. Docket No.: 59343US003	Serial No.: 10/810,738
	Applicant(s): Louis C. HADDAD et al.	Confirmation No.: 9703
	Application Filing Date: 26 March 2004	Group: 1641
	Information Disclosure Statement mailed: July 5, 2007	RECEIVED CENTRAL FAX CENTER

JUL 05 2007

## U.S. PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
		None					

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
		None						

## OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Copy Enclosed	Document Description
/DV/	X	"CHES buffer" datasheet [online]. Gentaur, Brussels, Belgium, [retrieved on 2007-05-24]. Retrieved from the Internet:<URL: http://www.gentaur.com/nieuwe_pagina_22.htm>; 1 page.
/DV/	X	"CHES, Biological Buffer - Biological Buffer Compounds * 103-47-9" datasheet [online]. Scienclab.com, Inc., Houston, TX, 1997-2005 [retrieved on 2007-05-24]. Retrieved from the Internet:<URL: http://www.scienclab.com/page/S/PVAR/23006/SLC1912>; 1 page.
/DV/	X	"C2885 CHES>99% (titration)" datasheet [online]. Sigma-Aldrich Co., St. Louis, MO, 2007 [Retrieved on 2007-06-05]. Retrieved from the Internet:<URL: http://www.sigmaproducts.com/catalog/search/ProductDetail/SIGMA/C2885>; 1 page.

<b>EXAMINER</b> /David Venci/	<b>Date Considered</b> 09/17/2007
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\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449A/PTO (revised)

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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Application Number	10/810,738
Filing Date	March 26, 2004
First Named Inventor	Haddad, Louis C.
Art Unit	1642 1641
Examiner Name	I.P. FREELY
Attorney Case Number	59343US003

## U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
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	A2	US- RE 36,811	08-08-2000	Markell et al.	
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\*Examiner:

Date Considered:

9/17/07

\*Examiner's initial &amp; reference number and whether or not citation is in conformance with MPEP 609. Draw line through citation if not in

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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Application Number 10/810,738

Filing Date March 26, 2004

First Named Inventor Haddad, Louis C.

Art Unit 1642

Examiner Name

Attorney Case Number 59343US003

## U.S. Patent Documents

Exam. Invt. Initials	Cita No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code If Known)			
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\*Examiner: 

Date Considered: 7/14/07

EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number 10/810,738

Filing Date March 26, 2004

First Named Inventor Haddad, Louis C.

Art Unit 1642

Examiner Name

Attorney Case Number 59343US003

## U.S. Patent Documents

Exam. Init.	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
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\*Examiner:

Date Considered:

7/17/07

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw lines through citation if not in  
PAGE 40/48 \* RCVD AT 7/5/2007 11:26:38 AM [Eastern Daylight Time] \* SVR:USPTO-EFXRF-3/15 \* DNIS:2738300 \* CSID:6123051228 \* DURATION (mm:ss):15:00

Substitute for form 1449A/PTO (revised)		Application Number	10/810,738
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Filing Date	March 26, 2004
(Use as many sheets as necessary)		First Named Inventor	Haddad, Louis C.
Page 4 of 11		Art Unit	1642
		Examiner Name	
		Attorney Case Number	59343US003

U.S. Patent Documents					
Exam. Init.	Cite No.	Document Number Doc. Number-(Kind Code if Known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	A101	US- 6,284,113 B1	09-04-2001	Bjornson et al.	
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\*Examiner:

Date Considered:

7/17/07

<p>Substitute for form 1449A/PTO (revised)</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(Use as many sheets as necessary)</p> <p>Page 5 of 11</p>	Application Number	10/810,738
	Filing Date	March 26, 2004
	First Named Inventor	Haddad, Louis C.
	Art Unit	1642
	Examiner Name	
	Attorney Case Number	59343US003

U.S. Patent Documents					
Exam. Invt.*	Cite No.	Document Number Doc. Number-(Kind Code if Known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DV	A113	US- 6,664,354 B2	12-16-2003	Savu et al.	
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DV	A138	US- 2004/0018559 A1	01-29-2004	Lau et al.	

*Examiner:	Date Considered:	9/19/07
<p><i>[Handwritten signature]</i></p> <p>Consideration is being made whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance.</p>		

Substitute for form 1449A/PTO (m. 10/03)

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Application Number 10/810,738

Filing Date March 26, 2004

First Named Inventor Haddad, Louis C.

Art Unit 1642

Examiner Name

Attorney Case Number 59343US003

## Foreign Patent Documents

Exam. Unit*	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code				
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	B2	EP	0 309 259 B1	06-22-1994	Toa Nenryo KKK	
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	B5	EP	0 409 432 A2, A8	01-23-1991	Warner Lambert Co.	
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DV	B14	JP	2-295-485	12-06-1990	Nissho Corp.	ONLY → English Abstract
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			ILLEGIBLE - MACHINE EXALTATION?			
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\*Examiner:

Date Considered:

9/7/04

Substitute for form 1449A/PTO (revised)

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Application Number	10/810,738
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		Ctry. Code				
✓	B20	WIPO	95/24505 A1	09-14-1995	Amersham Int'l PLC	
	B21	WIPO	97/07239 A1	02-27-1997	Max-Planck-Gesellschaft	ONLY - English Abstract
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	B31	WIPO	99/46591 A2, A3	09-16-1999	Strategic Diagnostics, Inc.	
	B32	WIPO	00/45180 A1	08-03-2000	3M Innovative Properties Co.	
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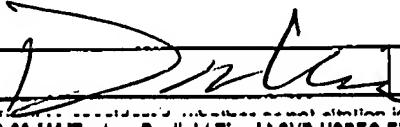
\*Examiner: 

Date Considered: 9/17/07

Substitute for form 1449A/PTO (ml ad)		Application Number	10/810,738
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 8 of 11		Filing Date	March 26, 2004
		First Named Inventor	Haddad, Louis C.
		Art Unit	1642
		Examiner Name	
		Attorney Case Number	59343US003

Foreign Patent Documents						
Exam. Init.*	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or ... Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code				
DN	B42	WIPO	01/38865 A1	05-31-2001	The Governors of the Univ. of Alberta	
	B43	WIPO	01/68240 A2, A3	09-20-2001	Hammen Corp.	
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
DN	C1	3M Material Safety Data Sheet for FC-4430 FLUORAD™ Fluorosurfactant (9 pgs) (May 7, 2003).
	C2	3M Material Safety Data Sheet for 3M™ FLUORAD™ Fluorosurfactant FC-4432 (9 pgs) (May 21, 2003).
	C3	"ABI Prism® BigDye™ Terminators v3.0 Cycle Sequencing Kit," product information [online]. Applied Biosystems, 2000, 2001 [retrieved 2001-12-03]. Retrieved from the Internet: <URL: <a href="http://www.appliedbiosystems.com/products/productdetail.cfm?id=81">http://www.appliedbiosystems.com/products/productdetail.cfm?id=81</a> >, pg. 1.
	C4	AL-SOUD et al.; "Purification and Characterization of PCR-Inhibitory Components in Blood Cells," <i>Journal of Clinical Microbiology</i> ; Vol. 39(2); pp. 485-493 (2001).
	C5	ALTSCHULER et al.; "Benchmarks: Plasmid DNA Isolation Utilizing a Novel Nonionic Detergent," <i>BioTechniques</i> ; Vol. 17(3); pp. 434, 436 (1994).
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Substitute for form 1449A/PTO (revised)

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First Named Inventor	Haddad, Louis C.
Art Unit	1642
Examiner Name	
Attorney Case Number	59343US003

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam. Init.	Clo No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
PV	C7	AutoSeq96 Dye Terminator Clean-up Kit / Adapter Plate for AutoSeq96, "product catalogue [online]. Amersham Biosciences, 2001 [retrieved 2001-12-03]. Retrieved from the Internet: <URL: <a href="http://www.apbiotech.com/stibioasp/showmodule.asp?nModuleId=164360">http://www.apbiotech.com/stibioasp/showmodule.asp?nModuleId=164360</a> >, pgs. 1-2.
	C8	BARTL et al.; "Simple and Broadly Applicable Preparation by Use of Magnetic Glass Particles," <i>Clin Chem Lab Med</i> , Vol. 36(8), pp. 557-559 (1998).
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	C10	BISCHOFF et al.; "Isolation of Specific tRNAs Using an Ionic-Hydrophobic Mixed-Mode Chromatographic Matrix," <i>Analytical Biochemistry</i> , Vol. 151; pp. 526-533 (1985).
	C11	QIAamp® DSP DNA Blood Mini Kit Handbook, 28 pages (January 2004).
	C12	BOOM et al., "Rapid and Simple Method for Purification of Nucleic Acids," <i>Journal of Clinical Microbiology</i> , 1990, March; Vol. 28, No. 3; pgs. 495-503. Publication page, and Title page.
	C13	BREADMORE et al.; "Microchip-Based Purification of DNA from Biological Samples," <i>Analytical Chemistry</i> ; Vol. 75(8); pp. 1880-1886 (2003).
	C14	BREZINSKI; "Laying the foundation for New Technologies 3M Creates a new building block for its fluorosurfactants," <i>Paintings and Coatings Industry</i> , (January 2003).
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	C16	BURCKHARDT; "Amplification of DNA From Whole Blood," <i>PCR Methods and Applications</i> , <i>Cold Spring Harbor Laboratory Press</i> , Vol. 3, No. 4., pp. 239-243 (February 1994).
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	C19	HUBER et al.; "High-performance liquid chromatographic separation of detritylated oligonucleotides on highly cross-linked poly-(styrene-divinylbenzene) particles," <i>Journal of Chromatography</i> ; Vol. 598; pp. 113-118 (1992).
	C20	JEFFREYS, et al., "DNA 'Fingerprints' and Segregation Analysis of Multiple Markers in Human Pedigrees," <i>American Journal of Human Genetics</i> , Vol. 39, pp 11-24 (1986).
↓	C21	KOGAN et al.; "An Improved Method for Prenatal Diagnosis of Genetic Diseases by Analysis of Amplified DNA Sequences, Application to Hemophilia A," <i>New England Journal of Medicine</i> , Vol. 317, pp. 985-990 (1987).
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Exam. InL*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
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	C26	"Porex Products Group," product profile [online]. Porex Corporation, 2001 [retrieved 2001-12-05]. Retrieved from the Internet: <URL: <a href="http://www.porex.com/english/porous/index.asp">http://www.porex.com/english/porous/index.asp</a> >, pgs. 1-2.
	C27	Product Information Brochure, "DuPont™ Zonyl® Fluoroadditives for Coatings Technical Information," (4 pgs) (March, 2003).
	C28	Product Information Brochure "3M Novec™ Fluorosurfactants FC-4430 / 3M™ Fluorad™ Fluorosurfactants are now 3M™ Novec™ Fluorosurfactants," (4 pgs), (October, 2003).
	C29	Product Information Brochure "Zonyl® Fluorosurfactants," (2 pgs), obtained from the Internet on December 1, 2003, <URL: <a href="http://web.singnet.com.sg/~paseden/dupont6.htm">http://web.singnet.com.sg/~paseden/dupont6.htm</a> > (April, 2003).
	C30	"Purification so fast it'll make your head spin: RapTract Dye Terminator Removal Kit," Prolinx Product Information, Bothell, WA, 2000, pgs. 1-6.
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	C34	Tong, et al., "Solid-Phase Method for the Purification of DNA Sequencing Reactions," <i>Anal Chem</i> , 1992; Vol. 64, No. 22; pgs. 2672-2677, Publication page, and Title page.
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	C36	Co-related U.S. Patent Application Serial No. 60/532,404 filed December 24, 2003 entitled "Methods and Kits For Reducing Nonspecific Binding of Molecules to a Surface" (3M Case No. 59071US002).
	C37	Co-related U.S. Patent Application Serial No. 10/852,642 filed May 24, 2004 entitled "Variable Valve Apparatus and Methods" (3M Case No. 59071US003).
	C38	Co-related U.S. Provisional Application Serial No. 60/532,523 filed December 24, 2003 entitled "Methods for Nucleic Acid Isolation and Kits" (3M Case No. 59073US002).
	C39	Co-related U.S. Patent Application Serial No. 10/852,645 filed May 24, 2004 entitled "Methods for Nucleic Acid Isolation and Kits Using Solid Phase Material" (3M Case No. 59073US003).
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## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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DV	C41	Co-related U.S. Patent Application Serial No. 10/852,085 filed May 24, 2004 entitled "Methods for Nucleic Acid Isolation and Kits Using a Microfluidic Device and Concentration Step" (3M Case No. 59801US002).
DV	C42	Co-related U.S. Patent Application Serial No. 10/852,022 filed May 24, 2004 entitled "Methods for Nucleic Acid Isolation And Kits Using a Microfluidic Device and Sedimenting Agent" (3M Case No. 59802US002).

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